

Title (en)

METHOD FOR PREPARING POLYORGANOSILOXANES BY HYDROLYSING ORGANOHALOSILANES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYORGANOSILOXANEN DURCH HYDROLYSE VON ORGANOSILANEN

Title (fr)

PROCEDE DE PREPARATION DE POLYORGANOSILOXANES PAR HYDROLYSE D'ORGANOHALOSILANES

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Application

EP 98936477 A 19980708

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Abstract (en)

[origin: US6326452B1] The invention concerns a method for preparing polyorganosiloxanes by hydrolysing organohalosilanes of formula (I) $R_a R_{1b} SiX_c$, in which R, R₁ are identical or different radicals and represent hydrogen or linear or branched C₁-C₆ alkyls, aryls, alkylaryl or aralkyl, X represents a halogen, and a+b+c=4 and 0<c<4; characterised in that it consists essentially in carrying out: at three successive hydrolysing steps (1), (2), (3), wherein the reaction medium is capable of exerting an increasing hydrolysing force on the organohalosilane (I), and optionally, at least a coalescing step (4); in that step (1) is a hydrolysis under pressure in the presence of an aqueous saturate hydrogen halide solution S₁, at the reaction medium pressure and temperature; and in that the advanced hydrolysing step (3₁) brings into the reaction medium a water supply in the form of water free from or practically free from dissolved solutes and/or by means of aqueous hydrogen halide solution(s).

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